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PowerShot SD4500 IS

Performance and Style, Digital ELPH Cameras



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Digital Compact Camera

Item Code: 4612B001

Estimated Retail Price: \$349.99†

Average Rating 4.3

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Overview

What's in the Box

Sample Images

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Features

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Specifications

Type

Compact digital still camera w/built-in flash, 10x Optical zoom and 4.0x Digital and 40x Combined Zoom

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Type

10.0 Megapixel 1/2.3-inch CMOS

Total Pixels

Approx. 10.6 Megapixels

Effective Pixels

Approx. 10.0 Megapixels

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Focal Length

10x zoom: 6.3 (W) - 63.0 (T) mm (35mm film equivalent: 36 (W) - 360 (T) mm

Digital Zoom

Approx. 4.0x (Up to approx. 15x in combination with the optical zoom)

Still images: not available when the recording pixel setting is W.

Videos: optical zoom not available while shooting.

Focusing Range

Normal AF: 2.0 in. (5cm) - infinity (W), 3.3 ft. (1m) - infinity (T);

Macro AF: Macro: 0.4 in. - 1.6 ft.. (1 - 50cm) (W);

Infinity AF: 9.8 ft. (3m) - infinity (W), 9.8 ft. (3m) - infinity (T)

Autofocus System

TTL Autofocus

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Optical Viewfinder

N/A

LCD Monitor

3.0-inch TFT color LCD, with wide viewing angle



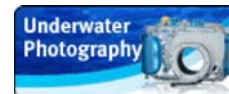
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LCD Pixels

Approx. 230,000 pixels

LCD Coverage

Approx. 100%

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f/3.4 (W) - f/5.6 (T)

Shutter Speed

1 - 1/4000 sec.

15 - 1/4000 sec. (Total shutter speed range)

Shutter speeds differ depending on the shooting mode.

Shutter speeds available: 15, 13, 10, 8, 6, 5, 4, 3.2, 2.5, 2, 1.6, 1.3, 1, 0.8, 0.6, 0.5, 0.4, 0.3, 1/4, 1/5, 1/6, 1/8, 1/10, 1/13, 1/15, 1/20, 1/25, 1/30, 1/40, 1/50, 1/60, 1/80, 1/100, 1/125, 1/160, 1/200, 1/250, 1/320, 1/400, 1/500, 1/640, 1/800, 1/1000, 1/1250, 1/1600, 1/2000 (Unit: sec.)

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Auto*, ISO 125/200/400/800/1600/3200 in P Mode

* Camera automatically sets the optimal ISO speed according to shooting mode.

Light Metering Method

Evaluative*, Center-weighted average, Spot**

* Facial brightness is evaluated in Face AiAF.

** Fixed to center.

Exposure Control Method

AE Lock

Exposure Compensation

+/-2 stops in 1/3-stop increments

Not available when shooting videos

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Auto*, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom

*Facial color is evaluated in Face AiAF.

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Auto, On, Slow Synchro, Off, FE Lock, Auto Red-Eye Correction, Red-Eye Reduction, Shutter Sync, Safety FE, Smart Flash Exposure

Facial brightness is also evaluated in Face Detec AF.

Flash Range

12 in. - 12 ft. (W), 3.3 - 6.6 ft. (T)

30 - 3.5cm (W), 1.0 - 2.0cm (T)

Image brightness may diminish depending on the shooting distance.

Recycling Time

10 sec. or less (battery voltage: 3.7 V)

Flash Exposure Compensation

N/A

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My Colors Off/Vivid/Neutral/Sepia/Black & White/Positive Film/Lighter Skin/Darker Skin/Vivid Blue/Vivid Green/Vivid Red/Custom Color*

* Adjustment of contrast, sharpness, saturation, red, green, blue and skin tone are available.

Self Timer

Approx. 10-sec. delay/approx. 2-sec. delay/custom*

* Shooting start time (0 - 10 sec. (in one-second increments), 20/25/30 sec.) and number of shots (1 - 10 shots (in one-shot increments)) can be specified.

Wireless Control

N/A

Continuous Shooting

Normal: Approx. 3.7 shots/sec.*

AF Low Light: Approx. 1.0 shot/sec.*

High-Speed Burst: Approx. 8.8 shots/sec.*

Speed varies depending on zoom position
* Depending on the shooting conditions, the camera settings and the zoom position, the shooting speed may slow down. As the number of images increases, the shooting speed may slow down.

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Storage Media

SD memory card, SDHC memory card, SDXC memory card, MultiMediaCard, MMCplus card, HC MMCplus card, Eye-Fi card

File Format

Design rule for camera file system, DPOF Version 1.1 compliant

Image Recording Format

Normal, Fine

JPEG Compression Mode

Still Image: Exif 2.3 (JPEG)
Video: MOV (Image: Motion JPEG; Audio: Linear PCM (Stereo))

Number of Recording Pixels

Large: 3648 x 2736, Medium 1: 2816 x 2112
Medium 2: 2272 x 1704
Small: 640 x 480, Widescreen: 3648 x 2048

Fixed to 1824 x 1368 when in High-speed Burst, Best Image Selection, and Low Light

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Image data

	Large (L)		Medium 1 (M1)		Medium 2 (M2)	
	F	N	F	N	F	N
File Size (KB)	2,565	1,226	1,620	780	558	278
4GB	1,471	3,017	2,320	4,641	6,352	12,069
16GB	6,026	12,354	9,503	19,007	26,010	49,420

	Small (S)		Widescreen (W)		Medium (M) in Low Light, Best Image Selection & High-Speed Burst	
	F	N	F	N	F	N
File Size (KB)	150	84	1,920	918	706	353
4GB	20,116	30,174	1,978	4,022	5,028	9,284
16GB	82,367	123,550	8,101	16,473	20,591	38,015

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Movie data

	Standard, Color Accent, Color Swap				Super Slow Motion
	Full HD: 1920 x 1080	HD: 1280 x 720	640 x 480	320 x 240	320 x 240
	24 fps*	30 fps*	30 fps*	30 fps*	240 fps**
Video size (KB/sec.)	4,335	3,054	1,416	495	2,457
4GB	14 min. 34 sec.	20 min. 43 sec.	43 min. 43 sec.	1hr. 58 min. 19 sec.	25 min. 46 sec.
16GB	59 min. 40 sec.	1 hr. 24 min. 54 sec.	2 hr. 59 min. 03 sec.	8 hr. 4 min. 30 sec.	1 hr. 45 min. 35 sec.

	Miniature Effect					
	HD: 1280 x 720			640 x 480		
	Speed 5x	Speed 10x	Speed 20x	Speed 5x	Speed 10x	Speed 20x
	6 fps	3 fps	1.5 fps	6 fps	3 fps	1.5 fps

Video size (KB/sec.)	573	287	143	246	123	61
4GB	1 hr. 45 min. 52 sec.	3 hr. 21 min. 09 sec.	5 hr. 35 min. 16 sec.	3 hr. 43 min. 30 sec.	6 hr. 42 min. 20 sec.	11 hr. 10 min. 33 sec.
16GB	7 hr. 13 min. 30 sec.	13 hr. 43 min. 40 sec.	13 hr. 43 min. 40 sec.	15 hr. 15 min. 11 sec.	27 hr. 27 min. 20 sec.	45 hr. 45 min. 35 sec.

*Actual frame rate is 29.97 fps
**Actual frame rate is 239.76 fps

Note: N=Normal F=Fine
Storage Capacity varies depending on camera settings. This data is estimated from Canon's standard shooting conditions. Figures for Movie Mode represent total capacity of the particular media.

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Playback Modes File

Auto Rotate (Automatic vertical/horizontal detection), Resume Playback, Image Advance (Operation Tools, Transition effects, Scroll Display), Rotate, Favorites, My Category, Jump, Smart Shuffle, Filtered Playback, Slide Show (Playback Interval, Repeat, Effect, Playlist)
Still Images: Single, Index (4-130 thumbnails), Magnification (approx. 2-10x), Information Display, Red-eye Correction, i-Contrast, Trimming, Resize, My Colors, Focus Check, Histogram, Overexposure Warning.
Videos: Normal Playback*, Slow Motion**, Special Playback, Editing, Resume
* Auto settings available in 5 levels
** 5 levels (including normal playback), sound not available.

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Erase Modes

Select image, select range, all images (all filtered images)

The image data in the memory card stored with the Design rule for Camera File systems format can be erased (however, protected images cannot be erased).
Using the Video editing function, sections of the video (1 sec. increments) can be deleted.

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Computer Interface

USB 2.0 Hi-Speed USB (dedicated female connector with unified type of digital, audio and video*)
*mini-B compatible.

Video Out

NTSC/PAL (dedicated connector (female) with unified type of digital, audio and video)

Audio Out

Stereo (dedicated connector (female) with unified type of digital, audio and video)

Other

Memory card slot; direct connection to Canon SELPHY Compact Photo Printers, PIXMA Inkjet Photo Printers and PictBridge-compatible printers via camera's USB 2.0 Hi-Speed cable

Power Supply

Battery Pack NB-9L, AC Adapter Kit ACK-DC70 Approx. 150 shots Approx. 4 hours and 30 min.

Power Source

Battery Pack NB-9L, AC Adapter Kit ACK-DC70

Shooting Capacity

Approx. 150 shots

Playback Time

Approx. 4 hours and 30 min.

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Operating Temperature

32-104°F/0-40°C

Operating Humidity

10-90%

Dimensions (W x H x D)

3.99 x 2.30 x 0.88 in. / 101.3 x 58.5 x 22.3mm

Weight

Approx. 6.70 oz. / 190g (camera, including batteries and memory card)

Approx. 5.89 oz. / 167g (camera body only)

26 display languages provided (English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Simplified Chinese, Russian, Portuguese, Greek, Polish, Czech, Hungarian, Turkish, Traditional Chinese, Korean, Thai, Arabic, Romanian, Ukrainian, Farsi and Japanese)

All data are based on Canon's Standard Test Method. Subject to change without notice.

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† Prices and specifications subject to change without notice. Actual prices are determined by individual dealers and may vary.